

CLAIMS

What is claimed is:

- 5 1. A drive anchor system for mounting a member, the drive anchor system comprising:
 a drive anchor, comprising:
 a hollow shaft having an internal chamber, an external wall, a first
 end and a second end;
 a surface feature disposed on the external wall for providing
10 anchoring functionality; and
 a bifurcating crevice extending from the second end of the hollow
 shaft toward the first end of the hollow shaft, and creating a first leg and a
 second leg of the hollow shaft;
 a member coupling sized and dimensioned to fit within the internal chamber of
15 the drive anchor, such that the member can couple with the member coupling;
 wherein the drive anchor can be positioned in a hole and the member coupling is
 configured to be driven into the internal chamber expanding the first leg and the second
 leg outwardly against walls of the hole to frictionally mount the member coupling within
 the internal chamber and also to frictionally mount the drive anchor within the hole and
20 anchored with the surface feature.
2. The drive anchor system of claim 1, wherein the external wall comprises a
 longitudinal taper decreasing from the first end to the second end of the hollow shaft.
- 25 3. The drive anchor system of claim 1, further comprising an end flange disposed at the
 first end of the hollow shaft.
4. The drive anchor system of claim 1, further comprising a centering ridge disposed
 around a perimeter of the hollow shaft proximal to the first end of the hollow shaft to
30 center the hollow shaft in the hole.
5. The drive anchor system of claim 1, further comprising the hollow shaft having a
 cross-section of a geometric shape.

6. The drive anchor system of claim 5, wherein the geometric shape comprises at least one of a circle, a parallelogram, and a multi-sided shape.
- 5 7. The drive anchor system of claim 1, wherein the surface feature comprises at least one ridge.
8. The drive anchor system of claim 1, wherein the surface feature comprises at least one raised protrusion.
- 10 9. The drive anchor system of claim 1, wherein the surface feature is disposed along a substantial portion of the external wall of the hollow shaft.
10. The drive anchor system of claim 1, wherein the member coupling comprises a
15 hollow receptacle.
11. The drive anchor system of claim 1, wherein the member coupling further comprises an end flange.
- 20 12. The drive anchor system of claim 1, wherein the member comprises a shaft.
13. The drive anchor system of claim 1, wherein the member coupling is removably and replaceably mounted.
- 25 14. A method of installing a drive anchor system for mounting a member, the drive anchor system comprising a drive anchor having a first end and a second end, a surface feature disposed on the drive anchor, and a bifurcating crevice creating a first leg and a second leg of the hollow shaft, the drive anchor system further comprising a member coupling sized and dimensioned to fit within the drive anchor, such that the member can
30 mount within the member coupling and enable the mounting of the member, the method comprising:
positioning the drive anchor in a hole; and

inserting and driving the member coupling into the drive anchor causing the first leg and the second leg of the hollow shaft to extend outwardly against walls of the hole, such that the member coupling is frictionally mounted in the drive anchor and the drive anchor is frictionally mounted within the hole and anchored with the surface feature.

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15. The method of claim 14, wherein the external wall comprises a longitudinal taper decreasing from the first end of the hollow shaft to the second end of the hollow shaft.

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16. The method of claim 14, further comprising an end flange disposed at the first end of the hollow shaft.

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17. The method of claim 14, further comprising a centering ridge disposed around a perimeter of the hollow shaft proximal to the first end of the hollow shaft to center the hollow shaft in the hole as the member coupling is driven into the driving anchor.

18. The method of claim 14, further comprising the hollow shaft having a cross-section of a geometric shape.

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19. The method of claim 18, wherein the geometric shape comprises at least one of a circle, a parallelogram, and a multi-sided shape.

20. The method of claim 14, wherein the surface feature comprises at least one ridge.

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21. The method of claim 14, wherein the surface feature comprises at least one raised protrusion.

22. The method of claim 14, wherein the surface feature is disposed along a substantial portion of the external wall of the hollow shaft.

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23. The method of claim 14, wherein the member coupling comprises a hollow receptacle.

24. The method of claim 14, wherein the member coupling further comprises an end flange.

25. The method of claim 14, wherein the member comprises a shaft.

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26. A drive anchor for mounting a member coupling in a hole, the drive anchor comprising:

a hollow shaft having an internal chamber, a first end, a second end, and an external wall;

10 a surface feature disposed on the external wall for providing anchoring functionality of the drive anchor; and

a bifurcating crevice extending from the second end of the hollow shaft toward the first end of the hollow shaft, and creating a first leg and a second leg of the hollow shaft;

15 wherein the drive anchor is configured to be driven into the hole and the member coupling driven into the internal chamber expanding the first leg and the second leg outwardly to frictionally mount the member coupling within the internal chamber and also to frictionally mount the drive anchor within the hole and anchored with the surface feature.

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27. The drive anchor of claim 26, wherein the external wall comprises a longitudinal taper decreasing from the first end of the hollow shaft to the second end of the hollow shaft.

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28. The drive anchor of claim 26, further comprising an end flange disposed at the first end of the hollow shaft.

29. The drive anchor of claim 26, further comprising a centering ridge disposed around
30 a perimeter of the hollow shaft proximal to the first end of the hollow shaft to center the hollow shaft in the hole.

30. The drive anchor of claim 26, further comprising the hollow shaft having a cross-section of a geometric shape.
31. The drive anchor of claim 30, wherein the geometric shape comprises at least one of
5 a circle, a parallelogram, and a multi-sided shape.
32. The drive anchor of claim 26, wherein the surface feature comprises at least one ridge.
- 10 33. The drive anchor of claim 26, wherein the surface feature comprises at least one raised protrusion.
34. The drive anchor of claim 26, wherein the surface feature is disposed along a substantial portion of the external wall of the hollow shaft.
- 15 35. The drive anchor of claim 26, wherein the drive anchor is configured to provide a removable and replaceable mount for the member coupling.